

WHAT IS CLAIMED IS:

1. A rack system for storing an information
handling system component comprising:
 - a rack having four rails, each rail having a
5 standard interface portion; - a cable management flip tray assembly comprising a
flip tray mounting bracket and flip tray mounted thereto; - the flip tray mounting bracket selectively mounted
to the standard interface portions of two rails; - 10 the flip tray having at least one retainer for
managing cabling associated with an information handling
system stored in the rack, the flip tray selectively
moveable between a first, generally vertical, position
and a second, generally horizontal, position operable to
15 facilitate access to the information handling system
component stored within the rack.
2. The rack system of Claim 1 wherein the rack
comprises an EIA-310 compliant rack.
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3. The rack system of Claim 1 wherein the rack
comprises a front side and a back side, the cable
management flip tray assembly mounted to the back side of
the rack.
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4. The rack system of Claim 1 wherein the information handling system comprises a blade server operable to house multiple blades and the flip tray second position allows for the installation and removal
5 of blades.

5. The rack system of Claim 1 further comprising the cable management flip tray assembly sized to be mounted in a 3U envelope within the rack.

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6. The rack system of Claim 1 wherein:
the flip tray mounting bracket comprises a first end and a second end connected by a bottom support member;
the first end and the second end having a generally
15 vertical disposition, the bottom support having a generally horizontal disposition; and
the first end and the second end each having a rack attachment interface and a flip tray mounting interface.

20 7. The rack system of Claim 6 wherein each rack attachment interface comprises a hook and a tab disposed to tool-lessly attach the flip tray mounting bracket with the rack standard interface portion.

25 8. The rack system of Claim 6 wherein each flip tray mounting interface comprises an L-shaped slot.

9. The rack system of Claim 1 wherein:

the flip tray mounting bracket having a first end
and a second end, the first end having a first flip tray
mounting interface comprising a first L-shaped slot and
5 the second end having a second flip tray mounting
interface comprising a second L-shaped slot;

the flip tray having a first mounting member
comprising a third L-shaped slot and a second mounting
member comprising a fourth L-shaped slot;

10 the third L-shaped slot and the fourth L-shaped slot
formed to align with the first L-shaped slot and the
second L-shaped slot; and

a first pin extending through the first slot and the
third slot and a second pin extending through the second
15 slot and the fourth slot.

10. The rack system of Claim 1 wherein the flip
tray further comprises at least one pull handle.

20 11. The rack system of Claim 1 wherein the flip
tray mounting bracket comprises a bottom support member
in a generally horizontal disposition and the second
position further comprising the flip tray disposed in a
generally horizontal position in a plane lower than the
25 horizontal plane of the bottom support.

12. The rack system of Claim 1 wherein the flip
tray further comprises a variety of perforations for
promoting air flow therethrough.

13. A cable management flip trap assembly
comprising:

5 a flip tray mounting bracket and flip tray mounted
thereto;

the flip tray mounting bracket operable to be
selectively mounted to a rack;

10 the flip tray having at least one retainer for
managing cabling associated with an associated
information handling system stored in the rack, the flip
tray selectively moveable between a first, generally
vertical, position and a second, generally horizontal,
position operable to facilitate access to the associated
information handling system component stored within the
15 rack.

14. The rack system of Claim 13 wherein the flip
tray second position allows for the installation and
removal of modular components into the associated
20 information handling system.

15. The rack system of Claim 13 further comprising
the cable management flip tray assembly sized to be
mounted in a 3U envelope within the rack.

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16. The rack system of Claim 13 wherein:

the flip tray mounting bracket comprises a first end
and a second end connected by a bottom support member;

the first end and the second end having a generally
5 vertical disposition, the bottom support having a
generally horizontal disposition; and

the first end and the second end each having a rack
attachment interface and a flip tray mounting interface.

10 17. The rack system of Claim 13 wherein:

the flip tray mounting bracket having a first end
and a second end, the first end having a first flip tray
mounting interface comprising a first L-shaped slot and
the second end having a second flip tray mounting

15 interface comprising a second L-shaped slot;

the flip tray having a first mounting member
comprising a third L-shaped slot and a second mounting
member comprising a fourth L-shaped slot;

the third L-shaped slot and the fourth L-shaped slot
20 formed to align with the first L-shaped slot and the
second L-shaped slot, respectively; and

a first pin extending through the first slot and the
third slot and a second pin extending through the second
slot and the fourth slot.

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18. The rack system of Claim 13 wherein the flip
tray mounting bracket comprises a bottom support member
having a generally horizontal disposition corresponding
to a horizontal plane and the flip tray second position
5 further comprising the flip tray disposed in a generally
horizontal position in a plane lower than the horizontal
plane of the bottom support.

19. A method for managing cabling associated with
10 an information handling system component comprising:
 mounting an information handling system component in
 a rack;
 mounting a cable management flip tray assembly to
 the rack adjacent to the information handling system
15 component;
 securing cabling associated with the information
 handling system component to the cable management flip
 tray assembly;
 positioning the cable management flip tray assembly
20 in a second position for accessing the information
 handling system component;
 installing at least one modular component; and
 positioning the cable management flip tray assembly
in a first position adjacent to the rear portion of the
25 information handling system component.

20. The method of Claim 19 wherein the information
handling system component comprises a blade server and
the at least one modular component comprises at least one
30 blade server.